```
002 // four original numbers
800
010
069
011
047
012
056
013
164
510
011
074
511
012
009
512
013
096
513
020 // first pair of sums
069
110
021
074
211
// putting sums in 30
030
630
800
530
022 // second pair of sums
009
112
023
096
213
// putting sums in 31
031
631
800
531
130 // clear accumulator and add sum 1
731 // subtract sum 2 from accumulator
800
040 // going to mem 40
```

```
040
640 // store accumulator to 40
540 // put 40 to output
```